

SAFETY DATA SHEET



Windmill Laundry Detergent Biological

SECTION 1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

1.1 Product Name	Windmill Laundry Detergent Biological				
1.2 Other Names	Windmill Laundry Detergent Biological				
SDS No	C2/622-B & 623-B	Rev Date:	2 nd December 2015	Rev No:	1
1.3 Application	Laundry Applications				
1.4 Supplier	AUK Supplies Ltd Marsh House Brunel Road Newton Abbot Devon TQ12 4PB				
1.5 Emergency Contact Number	01626 355 177				

SECTION 2. HAZARD IDENTIFICATION

Classification (EC1272/2008)

2.1 Signal Word	Danger				
2.1 Classification	Physical: Not classified Health: Eye Dam. 1- H318; Skin Irrit. 2 - H315 Environmental Not classified				
Hazard Statements	H318 Causes serious eye damage. H315 Causes skin irritation				
Precautionary Statements	P102 – Keep out of reach of children. P264 – Wash hands thoroughly P280 – Wear protective gloves, protective clothing, eye protection, face protection. P302+P352 – IF ON SKIN: Wash with soap and water P305+351+338 – IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses, if present and easy to do so – Continue rinsing P310 – Immediately call a POISON CENTRE or doctor / physician				
2.2 Labelling					
	GHS05	GHS07			
2.3 Other Hazards	EUH 208 – Contains Perfume. May produce an allergic reaction. EUH 208 – Contains Enzyme preparations. May produce an allergic reaction.				

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

3.2 Mixture			
Product	EC (EINECS No.)	CAS-No.	%
Coconut Diethanolamide	271-657-0	68603-42-9	1-10
Classification (EC 1272/2008)			
Physical: Not Classified. Health: Skin Irrit.2 – H315, Eye Dam.1 – H318. Environmental: Not Classified.			
Product	EC (EINECS No.)	CAS-No.	%
Sodium Dodecyl Benzene Sulphonate	-	25155-30-0	<5
Classification (EC 1272/2008)			
Physical: Not Classified. Health: Eye Dam. 1 – H318, Skin Irrit. 2 – H315. Environmental: Not Classified.			
Product	EC (EINECS No.)	CAS-No.	%
1-Propanaminium, 3-Amino-n-(carboxymethyl)-n,n-dimethyl,n-C8-18 (even numbered) acyl derivs, hydroxides inner salts	913-296-8	-	<1
Classification (EC 1272/2008)			
Physical: Not Classified. Health: Eye Dam. 1 – H318. Environmental: Not Classified.			
Product	EC (EINECS No.)	CAS-No.	%
Sodium Xylenesulphonate	215-090-9	1300-72-7	<1
Classification (EC 1272/2008)			
Physical: Not Classified. Health: Eye Irrit. 2 – H319. Environmental: Not Classified.			
Product	EC (EINECS No.)	CAS-No.	%
C9-11 Alcohol Ethoxylate 6-8 Moles EO	N/a	68439-46-3	<1
Classification (EC 1272/2008)			
Physical: Not Classified Health: Acute Tox. 4 – H302, Eye Dam. 1 – H318 Environmental: Not Classified			
Product	EC (EINECS No.)	CAS-No.	%
Parfum'	N/a	N/a	<1
Classification (EC 1272/2008)			
Physical: Flam Lqd 3 – H226 Health: Skin sen. 1 – H317, Aspiration 1 – H304 Environmental: Aquatic Chronic 2 – H411			
Product	EC (EINECS No.)	CAS-No.	%
Subtilisin	232-752-2	9014-01-1	<1%
Classification (EC 1272/2008)			
Physical: Not Classified Health: Skin Irrit. 2 – H315; Eye Dam. 1 – H318; Resp. Sens. 1 – H334; STOT SE 3 – H335 Environmental: Not Classified.			
Product	EC (EINECS No.)	CAS-No.	%
Amylase	232-565-6	9000-90-2	<1%
Classification (EC 1272/2008)			
Physical: Not Classified Health: Resp. Sens. 1 – H334 Environmental: Not Classified.			

For the full text of the H-statements mentioned in this section, see section 16.

SECTION 4. FIRST-AID MEASURES

<u>4.1 Description of First Aid Measures</u>	
Inhalation	Move exposed person to fresh air. Get medical attention
Ingestion	Do Not Induce Vomiting! Immediately rinse mouth and drink plenty of water, seek medical attention if discomfort continues
Skin Contact	Remove contaminated clothing and wash with soap and water.
Eye Contact	Immediately flush with plenty of water for up to 15 minutes. Remove contact lenses if safe and easy to do so, open eyes wide apart. Get medical attention if discomfort continues. Continue to rinse.
<u>4.2 Most Important Symptoms and effects, both acute and delayed</u>	
General Information	Symptoms described are dependent upon the concentration and exposure time
Inhalation	Possible irritation of throat, nose & airway
Ingestion	Irritation, possible soreness and redness to throat mouth and stomach
Skin Contact	Possible Irritation, redness to skin
Eye Contact	Possible eye irritation or damage
<u>4.3 Indication of immediate medical attention and special treatment needed if necessary</u>	

SECTION 5. FIRE-FIGHTING MEASURES

<u>5.1 Suitable Extinguishing Media Use:</u>
The preparation is not readily flammable, use fire-extinguishing media suitable for surrounding materials
<u>5.2 Specific Hazard arising from the chemical</u>
When heated in the case of fire, harmful or toxic gases may be produced
<u>5.3 Special protective actions for fire fighters</u>
Self contained breathing apparatus and full protective clothing must be worn

SECTION 6. ACCIDENTAL RELEASE MEASURES

<u>6.1 Personal Precautions, protective equipment and emergency procedures</u>
a. The wearing of suitable protective equipment (including personal protective equipment, see section 8 of this SDS) to prevent any contamination of skin, eyes and personal clothing. b. Provide sufficient ventilation. c. Follow precautions for safe handling described in section 7 of this SDS.
<u>6.2 Environmental Precautions</u>
Spillages of uncontrolled discharges into watercourses must be Immediately alerted to the Environmental Agency or other appropriate regulatory body, without endangering individuals every effort should be made to prevent entrance to drains.
<u>6.3 Methods and material for containment and clean up</u>
Drains should be Bunded or capped to prevent entrance or damage. Ventilate well. Dilute with copious amounts of water. Collect with absorbent, non-combustible material into suitable containers. Flush area with plenty of water.

SECTION 7. HANDLING AND STORAGE

<u>7.1 Precautions for safe handling</u>
Avoid Spilling, skin and eye contact. Keep away from heat, sparks and open flames. Eliminate all sources of ignition. Static electricity and formation of sparks must be prevented Do Not Smoke In Work Area! Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. When using, do not eat, drink or smoke.
<u>7.2 Conditions for safe Storage, including incompatibilities</u>
Keep in original containers. Do not allow product to freeze, avoid extreme temperatures
<u>7.3 Specific end use(s)</u>
The identified use for this product is detailed in section 1.2.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters						
Name	STD	TWA – 8 Hrs		STEL – 15 Min		Notes
Sodium Dodecyl Benzene Sulphonate	WEL		15 mg/m3		10 mg/m3	
1-Propanaminium, 3-Amino-n-(carboxymethyl)-n,n-dimethyl,n-C8-18 (even numbered) acyl dervis, hydroxides inner salts				1 ppm	2.9 mg/m3	
WEL= Workplace Exposure Limit						
8.2 Appropriate engineering controls						
Provide adequate ventilation						
8.3 Individual protection measures, such as personal protective equipment (PPE)						
Respiratory Equipment	Ensure ventilation is in sufficient.					
Hand Protection	Nitrile or PVC gloves are recommended.					
Eye Protection	Ware approved safety goggles.					
Other Protection	Ware rubber or PVC footwear, protective clothing PVC.					

Protective Equipment



SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties			
This Product is a	Mixture		
Appearance	Liquid		
Colour	Blue or Green		
Odour	Pleasant		
Solubility	Soluble in water		
pH value	9	Boiling Point (°C)	>100
Relative Density	1.01 – 1.03		
9.2 Other information			

SECTION 10. STABILITY AND REACTIVITY

10.1 Reactivity	None known
10.2 Chemical stability	Stable under normal conditions and use.
10.3 Possibility of hazardous reactions	None known
10.4 Conditions to avoid	Avoid excessive heat for prolonged periods of time. Do Not allow to freeze
10.5 Incompatible materials	None Know
10.6 Hazardous decomposition products	In combustion emits toxic fumes

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Toxicological information

We have not carried out any animal testing; therefore we have no toxicological data specifically for this product. The toxicological data, where provided by the raw material manufacture, can be made available on request.

SECTION 12. ECOLOGICAL INFORMATION

12.1 Toxicity

We have not carried out any Aquatic testing; therefore we have no Aquatic Toxicity Data specifically for this product. The Aquatic Toxicity data, where provided by the raw material manufacturer for the ingredients with aquatic toxicity can be provided on request

12.2 Persistence and degradability

Degradability: the surfactants used in this preparation are designed for disposal via normal foul water disposal methods

12.3 Bioaccumulative potential

This preparation does not contain any substance that is expected to be bioaccumulating

12.4 Mobility in soil

The product is soluble in water

12.5 Results of PBT and vPvB

This preparation does not contain and PBT or vPvB substances

12.6 Other adverse effects

Not Known

SECTION 13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

The preparation is designed for disposal via foul drain after use. Large volumes to be treated as controlled waste. Disposal to licensed waste disposal site in accordance with local waste disposal authority. Clean used container and recycle.

SECTION 14. TRANSPORT INFORMATION

This product is not classified as hazardous for transport, as per IATA, ADR & IMDG.

SECTION 15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific to the substance or mixture

Guidance notes: Workplace Exposure Limits EH40

EU Legislation: Safety Data sheets prepared in accordance with REACH Commission Regulation (EU) No 453/2010 Packaging & Labelling of dangerous preparations. Ingredients are listed with classification under GHS / CLP – Regulation (EC) No 1272/2008 classification, ADR 2013

15.2 Chemical Safety Assessment

Not applicable this product is a mixture

SECTION 16. OTHER INFORMATION

REV. No. REPL. SDS	1/0
Generated	2 nd December 2015
SDS No.	C2/622-B & 623-B
SDS Status	Ok
Approved	2 nd December 2015
Notes	This information relates only to the specific material designed and may not be valid for such material used in combination with any other materials or in any process. Such information is to the best of the company's knowledge and belief, accurate and reliable as of date indicated. However, no warranty, guarantee or representation is made as to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.
Hazard statements in full	H226 – Flammable liquid and vapours H302 – Harmful if swallowed. H304 – May be fatal if swallowed and enters airways H315 – Causes skin irritation

	H317 – May cause an allergic skin reaction H318 – Causes serious eye damage H319 – Causes serious eye irritation H334 – May cause allergy or asthma symptoms or breathing difficulties if inhaled. H335 – May cause respiratory irritation. H411 – Toxic to aquatic life with long lasting effects
Supplementary P- Statements	P332+P313 – If skin irritation occurs: Get medical advice / attention P362 – Take off contaminated clothing and wash before reuse
EUH Statements	EUH 208 – Contains perfume. May produce an allergic reaction. EUH 208 – Contains Enzyme preparations. May produce an allergic reaction.
<u>END of SDS</u>	

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